

## FIGURE 1

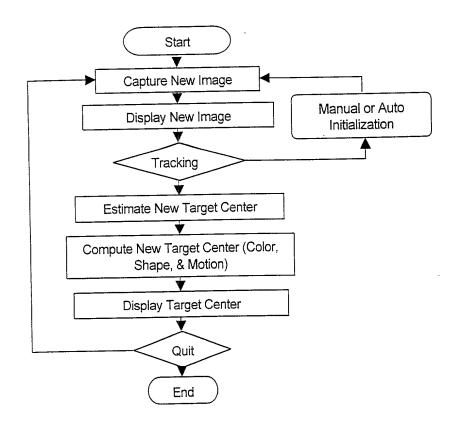


FIGURE 2

<u>File</u>	Help
	Box Row Size
40	
Box Column Size	
Motion Intensity Thr Mation Count Thr	
Freq 28,30 Hz Pos 106,04-155,20 Freq 28,75 Hz Pos 111,43:158,00	
Transferred Control of the Control o	M.

FIGURE 3

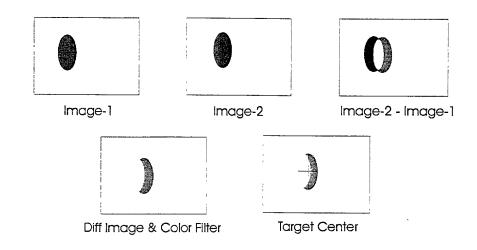


FIGURE 4

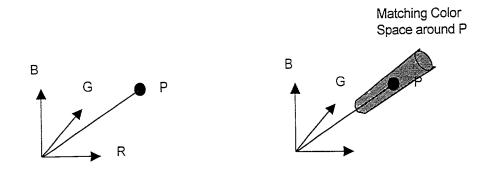


FIGURE 5

```
Given new image and the estimated target center as rc, cc and old target shape
begin
    for i=rc-rs/2 to i=rc+rs/2
        for j=cc-cs/2 to j=cc+cs/2
            RGB = pixel(i,j)
            c = FindColorMatch(RGB)
            if c>0
                 cr = c*i
                 cc = c*i
                 if this pixel lies on the previous shape template
                     sr = c*i
                     sc = c^*j
                     s = c;
                 else pixel shows movement
                     mr = c*i
                     mc = c*j
                     m = c;
                 mark this pixel in the next shape template
                 Nc = Nc+c
                 Ns = Ns+s
                 Nm = Nm+m
             else
                 unmark this pixel in the next shape template
             endif
        endfor
    endfor
    cr = cr/Nc, cc = cc/Nc
    sr = or/Ns, sc = sc/Ns
    mr = mr/Nm, mc = mc/Nm
    compute new target center as a weighted average
    newr = cr*cw + sr*sw + mr*mw
    newc = cc*cw + sc*sw + mc*mw
    velr = (newr-rc)/t
    velc = (newc-cc)/t
```

## FIGURE 6

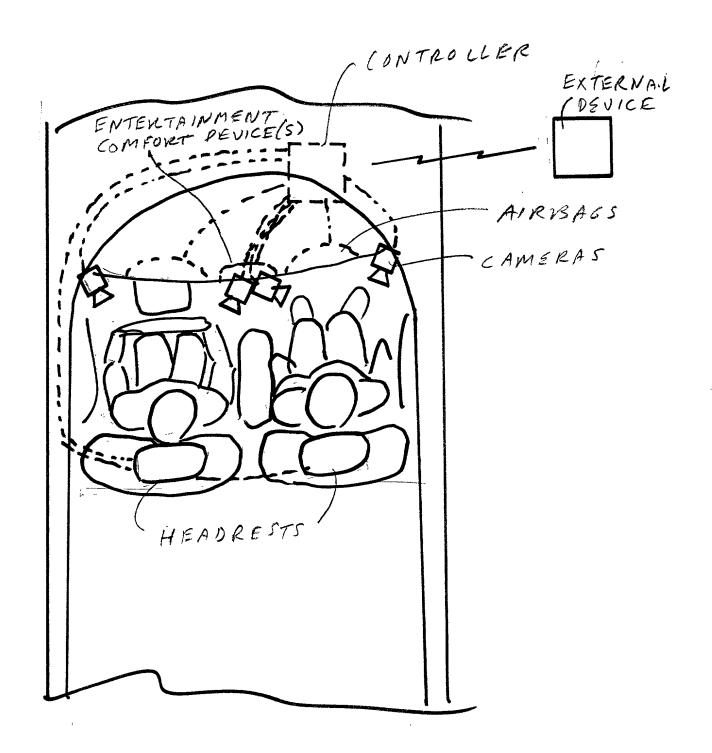


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